

## **Rutgers, The State University of New Jersey**

### **Decision Analysis**

#### **In-Class Task**

**FALL 2010**

**Purpose:** For this task, your group will work together to create a single data set using multiple databases and analyze the data to make informed decisions.

#### **Procedures:**

From the following datasets, create one database on any county of at least **25** school districts (district level data only). The data are not in one easy to use data set, so it is suggested that each of you work together to create a new dataset from the two datasets.

- NJ School Report Card Data (latest – 2008)
- NJ Enrollment Data Set

**YOU MAY USE ANY DATA ANALYSIS TOOLS TO ANSWER THE FOLLOWING QUESTIONS**

#### **Answer the following questions for your county:**

- What is the relationship between the percentage of free and reduced students in districts and student achievement in one area?
- What is the relationship between district enrollment size and in districts and student achievement in one area?
- What is the correlation between cost per pupil in districts and student achievement in one area?
- What districts are the highest performing, and lowest performing (Scale Score)?
- What districts have the highest and lowest cost efficiencies, with regards to total cost per pupil and student achievement?